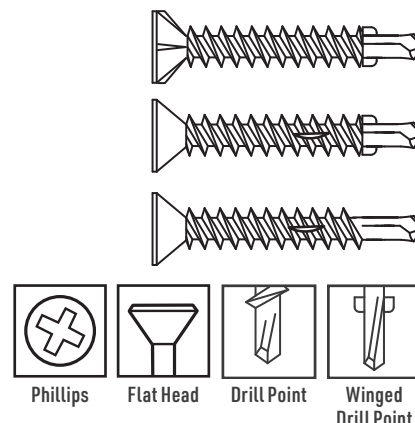
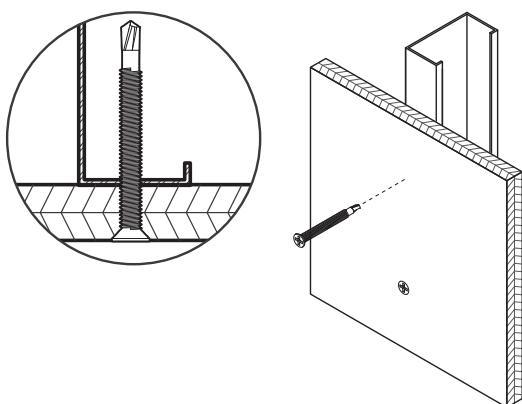


Flat Head Driller

Wood to Heavy-Gauge Steel

SCORPION®



Description Attaches 3/8 in. to 1 1/8 in. wood product to heavy-gauge steel.

Specifications

Size | Gauge: #10 to #14
Length: 1 5/8 in. to 3 3/4 in.
Head Type: Flat Head
Recess Type: #2 Phillips, #3 Phillips
Thread Type: Fine
Finish: Clear Zinc, NanoGard™

Quality Assurance: Scorpion® fasteners are manufactured in ISO 9001 certified and approved factories.

LEED Reporting: The post-consumer recycled steel content is 25%.

Compliance: The fasteners comply with ASTM C1513 performance requirements.

Applications ■ Attaching plywood or OSB to heavy-gauge steel

Installation

- Use a standard screw gun with a depth-sensitive nose piece. Suggested screw gun specification for optimal performance: size #10, up to 2,500 RPM, sizes #12 and #14, up to 1,800 RPM.
- Because of significantly higher torque output, care and caution should be exercised when using an impact driver; otherwise, screw failure or spin-out may occur.
- The flat head is fully seated when it is flush with the work surface.
- The fastener must penetrate beyond the steel three full thread pitches.
- Overdriving may result in failure of the fastener.

Features

- Phillips recess designed for better bit engagement, resulting in less wobble or strip-out.
- Self-drilling point is designed for penetration into heavy-gauge steel.
- The flat head design provides better holding power in sheathing and wood to heavy-gauge steel applications.
- Special wings clear away wood to create a pilot hole through the plywood or OSB.
- Available with #3, #3.5, #4 and #5 drill point.

Flat Head Driller
Wood to Heavy-Gauge Steel

SCORPION®

Standard
Corrosion
Test Results

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray	ASTM B117	12 hrs., no red rust
NanoGard™	Salt Spray	ASTM B117	1,000 hrs., no red rust

Note: Salt Spray Testing (SST) results are not intended to predict corrosion in real-world environments. The ASTM B117 standard for SST is recognized industry-wide as an effective tool for comparing different metals and different metal coatings in a tightly controlled, highly corrosive environment for specific periods of time. For more information about corrosion resistance, see the Grabber Guide to Corrosion Resistance for Fasteners.

Pull-Out Test
Data¹

Screw Gauge	TPI²	Steel Gauge	Design Thickness	Tension	Shear
#10	16	18	0.0451 in.	109 lbs.	263 lbs.
		16	0.0566 in.	198 lbs.	370 lbs.
		14	0.0713 in.	249 lbs.	523 lbs.
		12	0.1017 in.	356 lbs.	891 lbs.
		10	0.1242 in.	434 lbs.	1,199 lbs.
#12	24	18	0.0451 in.	124 lbs.	280 lbs.
		16	0.0566 in.	225 lbs.	394 lbs.
		14	0.0713 in.	284 lbs.	557 lbs.
		12	0.1017 in.	405 lbs.	950 lbs.
		10	0.1242 in.	493 lbs.	1,278 lbs.
#14	20	18	0.0451 in.	139 lbs.	297 lbs.
		16	0.0566 in.	252 lbs.	417 lbs.
		14	0.0713 in.	318 lbs.	590 lbs.
		12	0.1017 in.	453 lbs.	1,005 lbs.
		10	0.1242 in.	553 lbs.	1,353 lbs.

¹Test data values reported are allowable as determined by calculations and industry established test criteria, such as ICC-ES Acceptance Criteria and ASTM test standards. Please contact Grabber for detailed information about testing performed for specific products or if ultimate values are needed.

Sheet Steel
Gauges

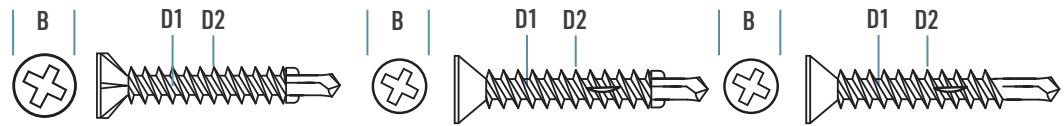
Gauge No.	Design Thickness	Millimeter Equivalent
25	0.0188 in.	0.4775 mm
20	0.0346 in.	0.8788 mm
18	0.0451 in.	1.1455 mm
16	0.0566 in.	1.4376 mm
14	0.0713 in.	1.8110 mm
12	0.1017 in.	2.5832 mm
10	0.1242 in.	3.1547 mm

Flat Head Driller

Wood to Heavy-Gauge Steel

SCORPION®

Product Dimensions



Screw Gauge	B Head Dia.	Recess	D1 Minor Dia.	D2 Major Dia.	TPI ²
#10	0.362 in.	#2 Phillips	0.138 in.	0.190 in.	16
#12	0.413 in.	#3 Phillips	n/a	0.216 in.	24
	0.414 in.	#3 Phillips	n/a	0.216 in.	24
#14	0.480 in.	#3 Phillips	n/a	0.242 in.	20

²TPI stands for Threads Per Inch. This is a count of the number of threads per inch measured along the length of a fastener.

Ordering Information and Product Options

Item No.	Size	Recess	Head Dia.	TPI	Quantity	Weight	Special Features
Clear Zinc							
T4PF14234	14 x 2 3/4 in.	#3 Phillips	0.480 in.	20	1,000	31 lb.	Slotted shank, Winged drill point
NanoGard™							
T3PF10158	10 x 1 5/8 in.	#2 Phillips	0.362 in.	16	3,000	32 lb.	8 underhead nibs, Winged drill point
T4PF12200	12 x 2 in.	#3 Phillips	0.413 in.	24	2,000	31 lb.	Slotted shank, Winged drill point
T4PF12212	12 x 2 1/2 in.	#3 Phillips	0.413 in.	24	1,500	31 lb.	
T4PF12314	12 x 3 1/4 in.	#3 Phillips	0.413 in.	24	1,000	27 lb.	
T5PF12214XT	12 x 2 1/4 in.	#3 Phillips	0.414 in.	24	1,500	39 lb.	Slotted shank
T4PF14234XT	14 x 2 3/4 in.	#3 Phillips	0.480 in.	20	1,000	31 lb.	Slotted shank, Winged drill point
T4PF14300XT	14 x 3 in.	#3 Phillips	0.480 in.	20	1,000	34 lb.	
T4PF14314XT	14 x 3 1/4 in.	#3 Phillips	0.480 in.	20	1,000	36 lb.	
T4PF14350XT	14 x 3 1/2 in.	#3 Phillips	0.480 in.	20	1,000	38 lb.	
T4PF14334XT	14 x 3 3/4 in.	#3 Phillips	0.480 in.	20	1,000	41 lb.	

Note: Product availability is subject to change without prior notice and the availability of products may differ from what is printed in literature and displayed on our website. The items listed are bulk size. Most are also available in smaller package sizes. Contact your local Grabber Branch or GrabberPro for more information.

Flat Head Driller
PS1089 USA-ENG/Rev. 8-26

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SAFETY FIRST: Wear appropriate personal protective equipment. Read applicable SDS and literature before handling and installation.

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